1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_6\text{H}_{15}\text{ClN}_2\text{O}_2 \)

Batch Molecular Weight: 182.65

Physical Appearance: White solid

Solubility:
- Water to 100 mM
- DMSO to 50 mM

Storage: Desiccate at RT

Batch Molecular Structure:

![Molecular Structure](image)

2. ANALYTICAL DATA

\(^1\text{H} \text{NMR}: \) Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>39.46</td>
<td>39.52</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>8.28</td>
<td>8.33</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>15.34</td>
<td>15.15</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Product Name: Carbamoylcholine chloride
Catalog No.: 2810
Batch No.: 6
EC Number: 200-127-3

Description:
Cholinergic receptor agonist that is resistant to the action of cholinesterases. Blocks apoptosis in cerebellar granule neurons.

Physical and Chemical Properties:
Batch Molecular Formula: C$_7$H$_{15}$ClN$_2$O$_2$
Batch Molecular Weight: 182.65
Physical Appearance: White solid

Storage: Desiccate at RT

Solubility & Usage Info:
water to 100 mM
DMSO to 50 mM
CAUTION - This product is extremely hygroscopic and we recommend that it is desiccated upon arrival.

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: